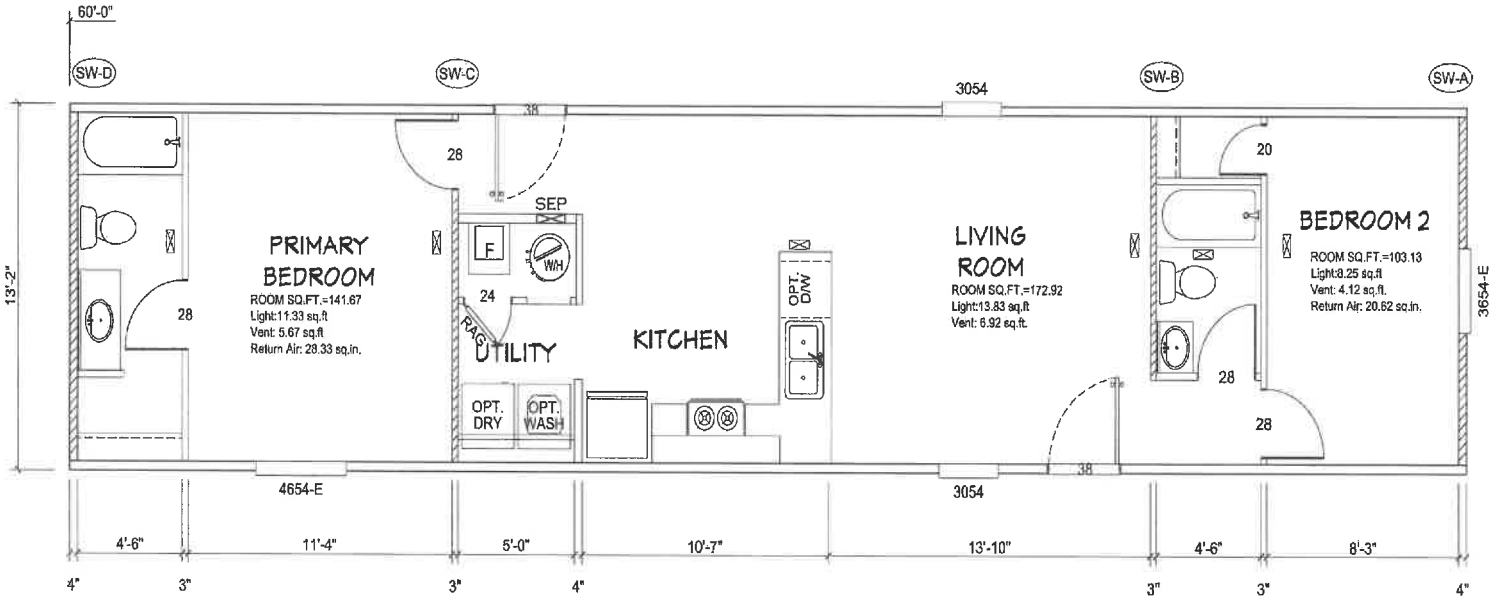


Model # TRU-1460-22-1

Box Width =	156 "	Single wide	Minimum Joist Spacing 16 "
Box Length =	60 ft	99.5" 12" MIN.IBEAM	No Clerestory
No Skylights			No Origami Dormer
No Porches			No Sunken Floor
Joist Size =	#2 sp 2x6	Lags 9Mx3"	No Parapet Roof

Version R14.00

Wind Zone 1 Standard Roof — 7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286,315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP — 96 inch sidewall

Diaphragm Construction: Block Dist. X=0'

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	109.5 "	250	2	2/2	Split Shearwall	54.75/54.75
D	60 '	136 "	162	2	2/1		

Wind Zone 2 Standard Roof — 7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286,315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP — 96 inch sidewall

Diaphragm Construction: Block Dist. X=0.5'

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	109.5 "	162	2	1/1	Split Shearwall	54.75/54.75
B	13.46 '	104 "	430	5	3/1		
C	43.46 '	112 "	430	3	4/1		
D	60 '	96 "	162	2	1/1		

Wind Zone 3 Standard Roof — 7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286,315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP — 96 inch sidewall

Diaphragm Construction: Block Dist. X=2.1'

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	
A	0 '	109.5 "	162	2	1/1	Split Shearwall	54.75/54.75
B	13.46 '	104 "	520	6	4/1		
C	43.46 '	112 "	520	4	4/2		
D	60 '	116 "	162	2	2/1		

MP-14-TRU-1460-22-1.0.100

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

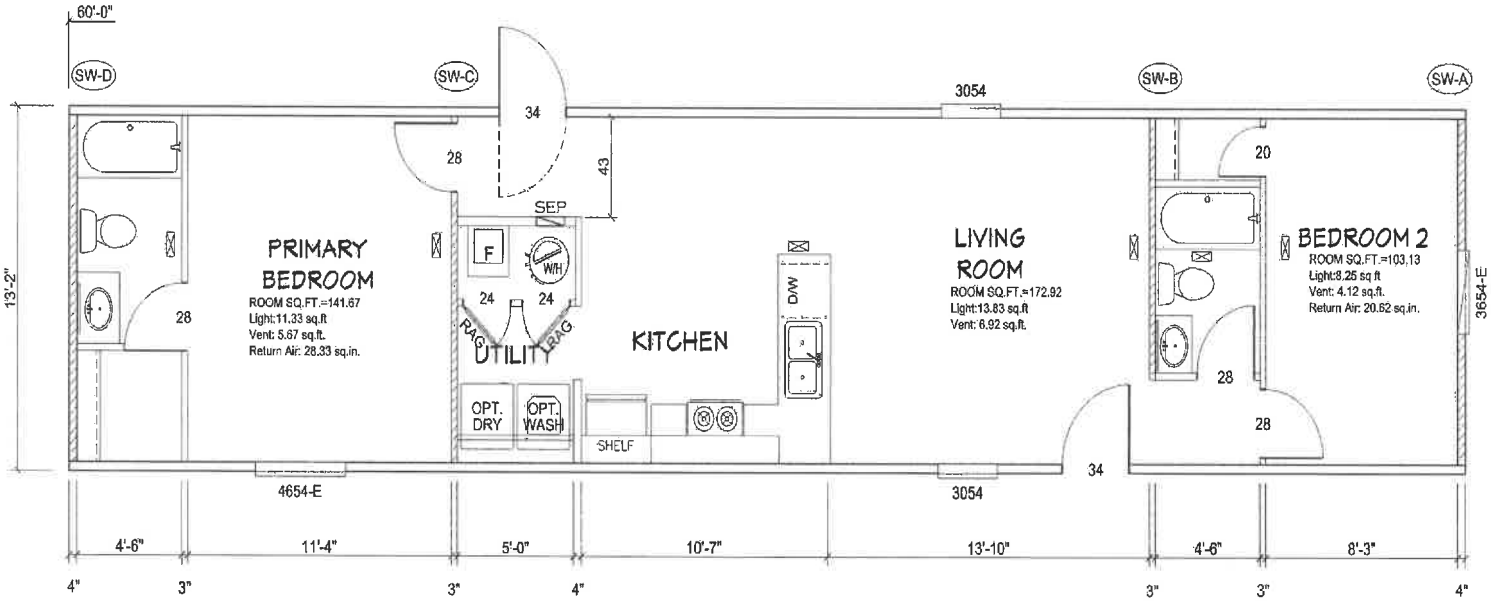
Clayton Built

REVISION | DATE

MODEL NAME: DOGWOOD
MODEL NO.: TRT14602D
BOX SIZE: 14' x 60'
MODEL SQ. FT.: 790

DRAWN BY: Jeremy Huiting
DATE DRAWN: 2/9/2024
DATE PRINTED: 8/21/2025
SCALE: 3/16"=1' * UNLESS OTHERWISE NOTED
PLAN NO.: TRU-1460-22-1
SHEET NAME: FLOOR PLAN
SHEET NO.: FP-0

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Model # TRU-1460-22-1

Box Width =	158 "	Single wide	Minimum Joist Spacing 16 "
Box Length =	60 ft.	99.5" 12" MIN.IBEAM	No Offset Box
No Skylights			No Clerestory
No Porches			No Origami Dormer
Joist Size =	#2 spf 2x6	Lags 9Mx3"	No Sunken Floor
			No Parapet Roof

Version R13.20

Wind Zone 1 Standard Roof — (7/16" sheathing only with 16ga @ 6/12 oc) — 84 inch sidewall
Diaphragm Construction — (1/2 ply) Chords: 2x4 SPF #3 Top Plate & 1x4 Rail. Each spliced w/12" glue block

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	108 "	210	2	2/2	Split Shearwall	54/54
D	60 '	92 "	210	2	2/1		

Wind Zone 2 Standard Roof — (7/16" sheathing only with 16ga @ 6/12 oc) — 84 inch sidewall
Diaphragm Construction — (1/2 ply) Chords: 2x4 SPF #3 Top Plate & 1x4 Rail. Each spliced w/12" glue block

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	108 "	210	2	1/1	Split Shearwall	54/54
B	13.46 '	104 "	350	3	3/1		
C	43.46 '	112 "	350	2	3/1		
D	60 '	88 "	210	2	2/1		

Wind Zone 3 Standard Roof — (7/16" sheathing only with 16ga @ 6/12 oc) — 84 inch sidewall
Diaphragm Construction — (1/2 ply) Chords: 2x4 SPF Std Top Plate & 1x4 SPF Rail. Each spliced w/2x4 MSP

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	
A	0 '	108 "	210	2	1/1	Split Shearwall	54/54
B	13.46 '	104 "	415	3	3/1		
C	43.46 '	112 "	415	3	3/1		
D	60 '	88 "	210	2	2/1		

MP-14-TRU-1460-22-1.1

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

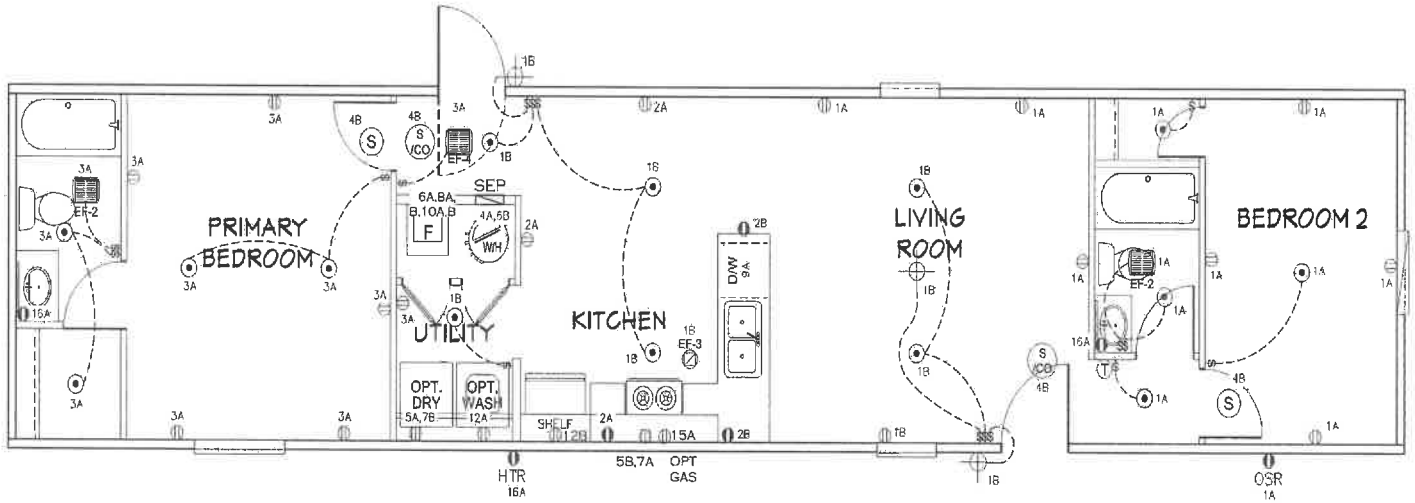
Clayton Built

DATE
REVISION

MODEL NAME: NEED NAME
MODEL NO.: TRS14602"2"
BOX SIZE: 14' x 60'
MODEL SQ. FT.: 790

DRAWN BY: Jeremy Huiting
DATE DRAWN: 2/9/2024
DATE PRINTED: 1/7/2025
SCALE: 3/16"=1' (* UNLESS OTHERWISE NOTED)
PLAN NO.: TRU-1460-22-1
SHEET NAME: FLOOR PLAN
SHEET NO.: FP-1

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NOTES:

1. ALL CIRCUITS SHOWN ARE FOR REFERENCE AND MAY BE CHANGED BASED ON OPTIONAL COMPONENTS INSTALLED IN THE HOME.
2. REFER TO DAPIA MANUAL FOR SYMBOL CHART.
3. EITHER LIGHT OR RECEPTACLE MUST CONNECT TO SWITCH.
4. EF-1= 50 CFM EXHAUST FAN REQUIRED FOR THERMAL ZONE III THERMAL ZONES I & II MAY USE FAN OR WINDOW W/1.5 SQ. FT. OPENABLE GLASS.
5. EF-2= 50 CFM EXHAUST FAN REQUIRED THERMAL ZONE I, II, AND III.
6. EF-3= 100 CFM RANGE EXHAUST FAN, SWITCH AT HOOD.
7. EF-4= WHOLE HOUSE VENTILATION REQUIREMENTS PER DAPIA MANUAL.
8. REFER TO DAPIA MANUAL OR THE MFG. INSTALLATION INSTRUCTIONS FOR PROPER WIRE SIZE AND BREAKER SIZE FOR SPECIFIC APPLIANCE AND MODEL BEING INSTALLED.
9. ALL SMOKE ALARMS TO BE LOCATED ON THE CEILING.
10. CARBON MONOXIDE ALARMS ARE ONLY REQUIRED WHEN HOME HAS EITHER FUEL BURNING APPLIANCES, IS GARAGE READY OR IS BASEMENT READY. REFERENCE DAPIA MANUAL FOR ADDITIONAL INFORMATION.
11. DIMENSIONS SHOWN ON PRINT ARE APPROXIMATE AND TO BE USED ONLY AS A GUIDELINE.

CIRCUIT	CIRCUIT #	WIRE	BREAKER
LIGHT/RECEP	1A,3A,13B,14A	14-2	15-SP
LIGHT/RECEP	1B,3B,14B	14-2	15-SP
KITCHEN	2A,2B	12-2	20-SP
WASHER	12A	12-2	20-SP
RANG HOOD/ MICROWAVE	15B	SEE NOTE #8	
OPT. GAS RANG	15A	SEE NOTE #8	

CIRCUIT	CIRCUIT #	WIRE	BREAKER
DRYER	5A,7B	SEE NOTE #8	
WATER HEATER	4A,6B	SEE NOTE #8	
RANGE	5B,7A	SEE NOTE #8	
FURNACE	6A,8A,B,10A,B	SEE NOTE #8	
OPT D/WASH	9A	SEE NOTE #8	
SMOKE/CO DECT.	4B	SEE NOTE #8	
REFER	12B	SEE NOTE #8	

CIRCUIT	CIRCUIT #	WIRE	BREAKER
BATHROOM	16A	12-2	20-SP
OPT G/DISP	9B	SEE NOTE #8	
OPT SPA/ WP/JAC	11A,B	SEE NOTE #8	
FREEZER	13A	SEE NOTE #8	
OPT ELEC. FIREPLACE	16B	SEE NOTE #8	

MP-14-TRU-1460-22-1.2

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

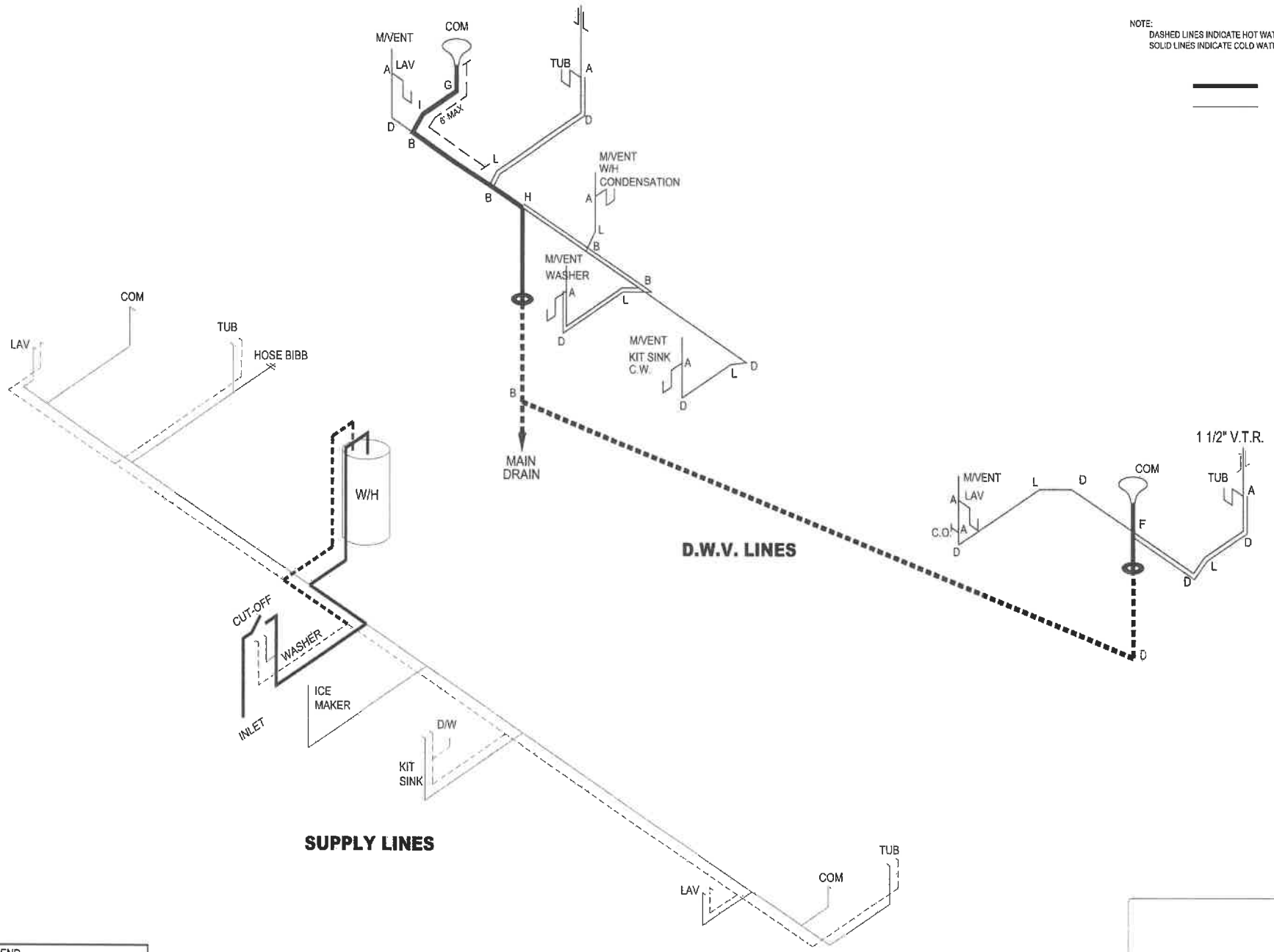
Clayton Built

REVISION | DATE

MODEL NAME: NEED NAME
MODEL NO.: TRS14602"?"
BOX SIZE: 14' x 60'
MODEL SQ. FT.: 790

DRAWN BY: Jeremy Huiting
DATE DRAWN: 2/9/2024
DATE PRINTED: 1/13/2025
SCALE: 3/16"=1' *UNLESS OTHERWISE NOTED
PLAN NO.: TRU-1460-22-1
SHEET NAME: ELEC. PLAN
SHEET NO.: EL-1

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NOTE:
DASHED LINES INDICATE HOT WATER.
SOLID LINES INDICATE COLD WATER

= 3/4"
= 1/2"

	LEGEND
A	SHORT TURN T-Y
B	LONG TURN T-Y
C	1/4 BEND
D	LONG SWEEP 1/4 BEND
E	45 ELL
F	DBL. SANITARY TEE
G	4x3 CLOSET ELL
H	DOUBLE ELL
I	22 1/2° ELL
J	45° Y
K	LONG TURN STREET ELBOW

DWV LINE SIZE CHART	
	= 3"
	= 2"
	=1 1/2"

MP-14-TRU-1460-22-1.3

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1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Clayton Built

REVISION	DATE

MODEL NAME	MODEL NO.	BOX SIZE	MODEL SQ. FT.
NEED NAME	TRS14602"?"	14' x 60'	790

DRAWN BY: Jeremy Huiting
DATE DRAWN: 2/9/2024
DATE PRINTED: 1/7/2025
SCALE: 3/16"=1'
PLAN NO.: TRU-1460-22-1
SHEET NAME: D.W.V. & SUPPLY
SHEET NO.: PL-1

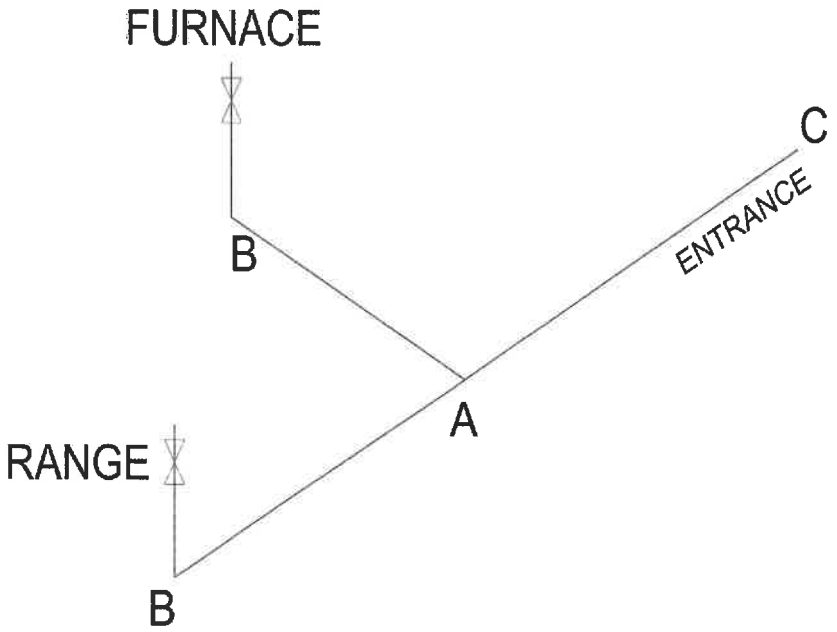
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LEGEND	
SYM	FITTINGS
A	TEE
B	90 ELL
⧖	VALVE
C	CAP

APPLIANCE BTU's RATINGS MAX. INPUT		
FURNACE	60,000	BTU'S
W/H	N/A	BTU'S
RANGE	52,000	BTU'S
DRYER	N/A	BTU'S

GAS LINE SIZE CHART	
━━	= 1"
──	=3/4"

MDL= 20'



NOTES:
ALL PIPE IS 3/4" I.D.CAST
(EXCEPT WHERE NOTED OTHERWISE)
MDL=MAX. DETERMINED LENGTH OF PIPE
FITTING MAY BE ADDED OR SUBTRACTED
TO TRAVERSE VARIATIONS IN AXLE
QUANTITY, PLACEMENT, AND FRAME TYPE.
INLET LOCATION MAY VARY TO STAY WITHIN
MAX. DETERMINED LENGTH

MP-14-TRU-1460-22-1.4

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Clayton Built

DATE
REVISION

MODEL NAME: NEED NAME
MODEL NO.: TRS14602"2"
BOX SIZE: 14' x 60'
MODEL SQ. FT.: 790

DRAWN BY: Jeremy Huiting
DATE DRAWN: 2/9/2024
DATE PRINTED: 1/7/2025
SCALE: 3/16"=1'
PLAN NO.: TRU-1460-22-1
SHEET NAME: GAS LINES
SHEET NO.: PI -4

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wrightsoft

Manual S Compliance Report
Entire House
Clayton Homes

Job: TRU-1460-22-1
Date: November 8, 2024
By: JH
Plan: TRU-1460-22-1

5000 Clayton Road, Maryville, TN 37804 Phone: 865-380-3000

Project Information

For: TRU-1460-22-1, TRU

Web: owntru.com

Cooling Equipment

Design Conditions

Outdoor design DB:	94.7°F	Sensible gain:	10549	Btuh	Entering coil DB:	76.6°F
Outdoor design WB:	75.7°F	Latent gain:	2682	Btuh	Entering coil WB:	63.7°F
Indoor design DB:	75.0°F	Total gain:	13232	Btuh		
Indoor RH:	50%	Estimated airflow:	580	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP				
Manufacturer:	Smart Comfort		Model:	R4H5S18*K*AAA*+FEVA0024**+NAVA43601CK	
Actual airflow:	580	cfm			
Sensible capacity:	13256	Btuh	126% of load		
Latent capacity:	3104	Btuh	116% of load		
Total capacity:	16360	Btuh	124% of load	SHR:	81%

Heating Equipment

Design Conditions

Outdoor design DB:	26.5°F	Heat loss:	12999	Btuh	Entering coil DB:	66.6°F
Indoor design DB:	70.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP						
Manufacturer:	Smart Comfort		Model:	R4H5S18*K*AAA*+FEVA0024**+NAVA43601CK			
Actual airflow:	580	cfm					
Output capacity:	12795	Btuh	98% of load		Capacity balance:	23	°F
Supplemental heat required:	205	Btuh			Economic balance:	-99	°F

Backup equipment type:	Elec strip						
Manufacturer:	Smart Comfort		Model:	FEVA002410			
Actual airflow:	580	cfm					
Output capacity:	10.0	kW	262% of load	Temp. rise:	54	°F	

APPROVED BY
NTA INC. 1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Meets all requirements of ACCA Manual S.

wrightsoft®

Project Summary
Entire House
Clayton Homes

Job: TRU-1460-22-1
Date: November 8, 2024
By: JH
Plan: TRU-1460-22-1

5000 Clayton Road, Maryville, TN 37804 Phone: 865-380-3000

Project Information

For: TRU-1460-22-1, TRU

Notes: Web: owntru.com
Duct Capicity: 19,333 Btuh's

APPROVED BY
NTA INC. 1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: AL52

Winter Design Conditions

Outside db	27	°F
Inside db	70	°F
Design TD	44	°F
Ventilation Method	MJ8	

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	39	gr/lb

Heating Summary

Structure	10858	Btuh
Ducts	0	Btuh
Central vent (45 cfm)	2142	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	12999	Btuh

Sensible Cooling Equipment Load Sizing

Structure	9580	Btuh
Ducts	0	Btuh
Central vent (45 cfm)	970	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	10518	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	787	787
Volume (ft³)	6292	6292
Air changes/hour	0.61	0.32
Equiv. AVF (cfm)	64	34

Latent Cooling Equipment Load Sizing

Structure	1489	Btuh
Ducts	0	Btuh
Central vent (45 cfm)	1193	Btuh
Outside air		
Equipment latent load	2682	Btuh
Equipment Total Load (Sen+Lat)	13200	Btuh
Req. total capacity at 0.70 SHR	1.3	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Model	R4H5S18*K*AAA*
AHRI ref	210537859

Efficiency	7.5 HSPF2	
Heating input		
Heating output	16800	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	580	cfm
Air flow factor	0.053	cfm/Btuh
Static pressure	0.30	in H2O

Space thermostat
Capacity balance point = 23 °F

Backup: Smart Comfort FEVA002410
Input = 10 kW, Output = 34121 Btuh, 100 AFUE

Cooling Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Cond	R4H5S18*K*AAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	210537859

Efficiency	12.0 EER2, 15 SEER2	
Sensible cooling	12180	Btuh
Latent cooling	5220	Btuh
Total cooling	17400	Btuh
Actual air flow	580	cfm
Air flow factor	0.061	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.80	

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

CLAYTON HOME BUILDING GROUP

14x60

Model Number	TRS1460	Drawing Number	TRU-1460-22-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 60 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 40%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	R-11 OR / R-11 FW / R-11 BIB	R-13	R-33 / R-33
DAPIA PAGE	THP-335	THP-515	THP-1972 / THP-2504
U VALUE (BTUH/SQ.FT.-F)	0.0436	0.0853	0.0306/0.0328
		Combined Uo for Data Plate = 0.0315	

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
15	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY NTA INC. 1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	18.33	0.189	3.46
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	55.00	0.300	16.50
	Option	0.00	0.300	0.00
Net:	Floor	790.00	0.044	34.44
	Wall	932.67	0.085	79.56
	Ceiling	790.00	0.0315	24.87
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	226.3
Th. Zone 2	92.9
Th. Zone 3	0.0

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	11	162.30	0.062	OK	264.70
2	0	162.30	0.062	OK	264.70
3	-14	162.30	0.062	NG	264.70

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-59	-20	10kW
-85	-38	12kW
-123	-65	15kW
-81	-36	40k Gas
-157	-89	60k Gas
-232	-142	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054

CLAYTON HOME BUILDING GROUP

14x60

Model Number	TRS1460	Drawing Number	TRU-1460-22-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 60 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 40%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	(2) R-11 OR / R-11 FW / R-22 BIB	R-15	R-35 / R-35
DAPIA PAGE	THP-3027	THP-504	THP-1973 / THP-2505
U VALUE (BTUH/SQ.FT.-F)	0.0322	0.0749	0.0294/0.0319

Combined Uo for Data Plate = 0.0304

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
15	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY NTA INC. 1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	18.33	0.189	3.46
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	55.00	0.300	16.50
	Option	0.00	0.300	0.00
Net:	Floor	790.00	0.032	25.44
	Wall	932.67	0.075	69.86
	Ceiling	790.00	0.0304	24.02
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	305.3
Th. Zone 2	178.0
Th. Zone 3	85.4

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	11	142.74	0.055	OK	245.20
2	0	142.74	0.055	OK	245.20
3	-14	142.74	0.055	OK	245.20

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-69	-27	10kW
-97	-47	12kW
-139	-76	15kW
-93	-44	40k Gas
-175	-101	60k Gas
-256	-158	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054

CLAYTON HOME BUILDING GROUP

14x60

Model Number	TRS1460	Drawing Number	TRU-1460-22-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 60 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 40%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	(2) R-11 OR / R-11 FW / R-22 BIB	R-21	R-35 / R-35
DAPIA PAGE	THP-3027	THP-510	THP-1973 / THP-2505
U VALUE (BTUH/SQ.FT.-F)	0.0322	0.0546	0.0294/0.0319

Combined Uo for Data Plate = 0.0304

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
15	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY NTA INC. 1/13/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	18.33	0.189	3.46
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	55.00	0.300	16.50
	Option	0.00	0.300	0.00
Net:	Floor	790.00	0.032	25.44
	Wall	932.67	0.055	50.92
	Ceiling	790.00	0.0304	24.02
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	361.7
Th. Zone 2	245.0
Th. Zone 3	160.1

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	11	123.81	0.048	OK	226.20
2	0	123.81	0.048	OK	226.20
3	-14	123.81	0.048	OK	226.20

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-81	-36	10kW
-111	-57	12kW
-156	-88	15kW
-107	-54	40k Gas
-195	-116	60k Gas
-284	-178	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054